3G/HD/SD-SDI & Composite/Component Test Pattern Generator with Audio Tone Generator

FEATURES

- **3G/HD/SD-SDI test patterns with embedded audio.**

- **Composite CVBS, Luma, Chroma, RGB, YUV, YPrPb (SD only).**

- **AES audio test tones.**

- **Analogue audio test tones.**

- **Composite reference input.**
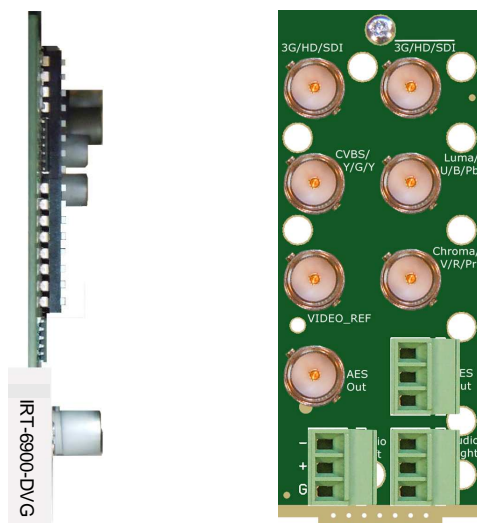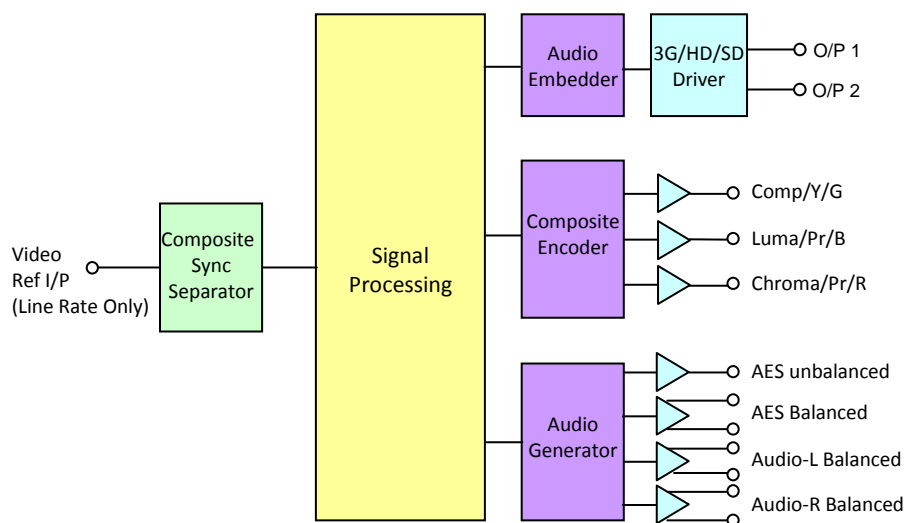
GENERAL

The IRT-6900-DVG acts as an analogue / digital test pattern generator with audio tone generator.

There are 32 preset test patterns are DIP switch settable in 16:9 format as 3G-SDI, HD-SDI or SD-SDI signal formats, as well as composite or component analogue format.

Multi-frequency audio test tones in both AES and analogue formats are also available and can be inserted within the digital video test patterns.

The IRT-6900-DVG is designed to fit the openGear® standard 2RU frames which allow a mixture of cards from various manufacturers to be mounted within the same frame.

BLOCK DIAGRAM IRT-6900-DVG SIGNAL PATH

IRT-6900-DVG
Rear Assembly

TECHNICAL SPECIFICATIONS

Outputs – Digital Video:

Number	2 x complementary 3G, HD or SD-SDI.
Connectors	75Ω BNC.
Signal level	800 mV ±10%.

Outputs – Digital Audio:

Number	1 x AES unbalanced and 1 x AES balanced.
Connectors	75Ω BNC (unbalanced) & 110Ω Phoenix (balanced).
Format	24-bit 48Khz AES-3.

Outputs – SD Analogue Video:

Number	Composite/Y/C; RGB + Sync; or YPrPb + Sync.
Connectors	75Ω BNC.

Outputs – Analogue Audio:

Number	2 x Balanced (Left & Right).
Connectors	Phoenix.
Format	24-bit, 0dBFS = +24dBu.

Power Requirements:

Voltage	+ 12 Vdc.
Power consumption	TBD VA.

Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in an openGear® 2RU rack chassis.
Dimensions (openGear® standard)	33.6 mm x 2U x 325 mm.

Supplied accessories	Rear connector assembly.

Ordering	IRT-6900-DVG.